Appl. No.:	10/623,232	Confirmation No.: 2710
Applicant:	Renner, Karl	
Filed:	July 18, 2003	
TC/AU:	2622	
Examiner:	Lee Michael	
Docket:	TI-35821	
Cust. No.:	23494	
Title:	Equilibrium Based Horizontal Sync Detector for Video Decoder	

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Response Pursuant to 37 C.F.R. § 1.111

Dear Sir:

In response to the non-final Office Action mailed May 9, 2006 in connection with the above identified application, Applicants respectfully submit the following amendments and remarks:

REMARKS / ARGUMENTS

Claims 1-49 remain in the application for consideration of the Examiner. Claims 1-48 are allowed.

Claims Rejections 35 USC § 102

Claim 49 was rejected under 35 U.S.C. 102(b) as being anticipated by Renner et al. (US 6,317,161).

Reconsideration and withdrawal of the outstanding objections and rejections are respectfully requested in light of the following remarks.

The Examiner alleges that Renner shows an input portion (26) and an output portion (2).

It is respectfully submitted that Renner does not disclose or suggest the features of claim 49 wherein the phase error (116) is based on a combination of a **coarse phase error** (108) and a **fine phase error** (112) as shown in figures 1 and 4.

As a matter of fact, in the present invention, the coarse phase error is produced based on the modified pixel count and the fine phase error is produced based on the level error and a previous level error, whereas in Renner, it is stated in column 2 lines 36-39: "microprocessor 2 reads parameters from the coarse and fine lock phase detectors which generate a phase error based on the position of the horizontal sync pulse relative to the locked position." The phase detectors of Renner do not directly generate coarse phase error and fine phase error which can be combined in an adder as it is the case in the present invention.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully requested.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

Respectfully submitted,

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